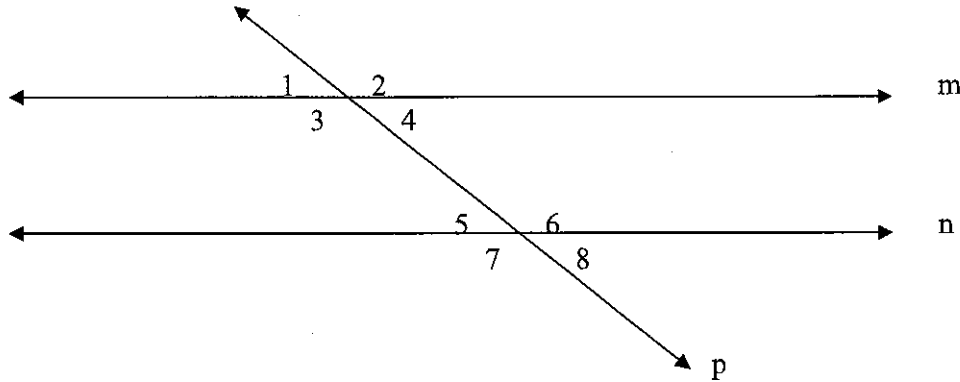


Aim: How do we find a missing angle when 2 parallel lines are cut by a transversal?

Warm Up: Quiz

Use the following diagram to answer questions # 1 - 12



1. Give the measure of each angle if $m\angle 1 = 105^\circ$

$\angle 2 =$ _____ $\angle 3 =$ _____ $\angle 4 =$ _____ $\angle 5 =$ _____ $\angle 6 =$ _____ $\angle 7 =$ _____ $\angle 8 =$ _____

2. Give the measure of each angle if $m\angle 3 = 80^\circ$

$\angle 1 =$ _____ $\angle 2 =$ _____ $\angle 4 =$ _____ $\angle 5 =$ _____ $\angle 6 =$ _____ $\angle 7 =$ _____ $\angle 8 =$ _____

3. Give the measure of each angle if $m\angle 8 = 150^\circ$

$\angle 1 =$ _____ $\angle 2 =$ _____ $\angle 3 =$ _____ $\angle 4 =$ _____ $\angle 5 =$ _____ $\angle 6 =$ _____ $\angle 7 =$ _____

4. Give the measure of each angle if $m\angle 6 = 75^\circ$

$\angle 1 =$ _____ $\angle 2 =$ _____ $\angle 3 =$ _____ $\angle 4 =$ _____ $\angle 5 =$ _____ $\angle 7 =$ _____ $\angle 8 =$ _____

5. If $m\angle 4 = 95^\circ$, find $m\angle 6$ _____

9. If $m\angle 5 = 117^\circ$, find $m\angle 8$ _____

6. If $m\angle 3 = 120^\circ$, find $m\angle 6$ _____

10. If $m\angle 5 = 122^\circ$, find $m\angle 7$ _____

7. If $m\angle 8 = 132^\circ$, find $m\angle 1$ _____

11. If $m\angle 2 = 73^\circ$, find $m\angle 3$ _____

8. If $m\angle 1 = 112^\circ$, find $m\angle 5$ _____

12. If $m\angle 6 = 82^\circ$, find $m\angle 7$ _____